

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/560, 723  
Source: PCT  
Date Processed by STIC: 12/27/2005

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:03

Input Set : A:\PTO.RJ.txt

Output Set : N:\CRF4\12272005\J560723.raw

5 <110> APPLICANT: EXONHIT THERAPEUTICALS  
 9 <120> TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF AS TARGETS FOR  
 PROSTATE  
 10 CANCER THERAPY AND DIAGNOSIS  
 14 <130> FILE REFERENCE: B0213WO  
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/560,723  
 C--> 18 <141> CURRENT FILING DATE: 2005-12-15  
 18 <160> NUMBER OF SEQ ID NOS: 185  
 22 <170> SOFTWARE: PatentIn version 3.1  
 26 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 151  
 30 <212> TYPE: DNA  
 32 <213> ORGANISM: Homo sapiens  
 36 <400> SEQUENCE: 1  
 37 ccggcccagg catgcacaca ctcttctgga gcacacgcga ccctccctag accgcctgct 60  
 39 tctcggctcc cctgcacatt agagcttctc aagacacggc ctgcacttgc cacctctgca 120  
 41 tttcccactc tcgctttgct gcctcccggc c 151  
 44 <210> SEQ ID NO: 2  
 46 <211> LENGTH: 138  
 48 <212> TYPE: DNA  
 50 <213> ORGANISM: Homo sapiens  
 54 <400> SEQUENCE: 2  
 55 ggaggggaag ttcggctcca gccacatagg tgtgtgtcct ccttatcctc tgaccaaagc 60  
 57 ttgtccttcc tacatatgct cctttgctag cactcccacc tgaatgcac cctatgatcc 120  
 59 ttccaccttc cctgctcc 138  
 62 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 459  
 66 <212> TYPE: DNA  
 68 <213> ORGANISM: Homo sapiens  
 72 <400> SEQUENCE: 3  
 73 ggaaccctac gaagaaccac agggagaaca ccagcattgc caccaccacc accaccacca 60  
 75 cagagtctgt ggaagaggtg gttcgagttc ctacaacagc agccagtacc cctgatgccg 120  
 77 ttgacaagta tctcgagaca cctggggatg agaatgaaca tgcccatttc cagaaagcca 180  
 79 aagagaggct tgaggccaag caccgagaga gaatgtccca ggtcatgaga gaatgggaag 240  
 81 aggcagaacg tcaagcaaag aacttgctta aagctgataa gaaggcagtt atccagcatt 300  
 83 tccaggagaa agtggaaatct ttggaacagg aagcagccaa cgagagacag cagctgggtg 360  
 85 agacacacat ggccagagtg gaagccatgc tcaatgaccg ccgccgcctg gccctggaga 420  
 87 actacatcac cgctctgcag gctgttcctc ctcccggcc 459  
 90 <210> SEQ ID NO: 4  
 92 <211> LENGTH: 562  
 94 <212> TYPE: DNA  
 96 <213> ORGANISM: Homo sapiens  
 100 <400> SEQUENCE: 4  
 101 tgggggggagg gcaggaaaat gaactcaatg agataaccag ggacaagatg atatgatgcc 60

(P9-6)

## RAW SEQUENCE LISTING

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:03

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12272005\J560723.raw

```

103 tttcttctag cactcagga tttcggaatc aaatctgaga gaggcaagaa attgtgagaa 120
105 gattgtaagc agagatgaaa cagaaaagat acctgaaact ctgatcttgg agcttttctt 180
107 ccgtgatata agatctaaca ggggccactg catagagctg ttgtgaggat gacaagagat 240
109 cactaacact gtaaaccttc aatccacagc cttcacataa ctgggtctca agacatgccc 300
111 tctcccttct cctctgact tcttcagtgt ttttaaggag aatgtgggga ggggcttatg 360
113 taaaataggg gactacaggt atcagactga accaatccta cttgttgaaac tttatctact 420
115 ggatggccaa gggtataagg aacaccacca ctttctcatg ccctggggtg ccctagagaa 480
117 aggtaagcag accaagggtc tcagactccc tgtggaagaa agaccactgc acccaagctt 540
119 tacaaacgca tccctcgccc gt 562
122 <210> SEQ ID NO: 5
124 <211> LENGTH: 328
126 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 5
133 gggcacccta gctgcaaggg aggttagaaa aaatgagggg caggattatc atggctcagca 60
135 tattacttgg gggccagata tatcacttcc cacacaaaag caggcctctg tcagttagga 120
137 agaagtggag aatggatttg ggggtggcat ctgacagcat ttgccacact gccctcccca 180
139 atcctaattg aggccagtca acgcaccacc cccactcccc acccacactc caacccccac 240
141 agtcctaggg tctctcaggg agaccatcgg tggaaatccat aacattctaa gaccctgcag 300
143 tttgtaggca aaatcaggct tcctttgg 328
146 <210> SEQ ID NO: 6
148 <211> LENGTH: 168
150 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 6
157 gacctcgaat tacaggcatg agccaccgtg cctggccttt tcttttcttt taagctactt 60
159 tttaatatat agtaatgact gttaatatag tatatactat gctattcctc aatgctgtaa 120
161 ctttcttagt ttcattttct cactcaattg aagtccaggt acccaggt 168
164 <210> SEQ ID NO: 7
166 <211> LENGTH: 317
168 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 7
175 agaaccctgg agcacttgag ggaccagaga cccggcatgg tccagacgaa ggtactgtca 60
177 gtctctcttc cgggacgcag acccattcaa ggtgcctctc tgcggccgtg ttcttgagag 120
179 gagcacgggg agggcctggg ttaatgtgag ccgcacaccg attgctctgc tctgaccgac 180
181 ctcgctccat cgggccttgc atgggagggg tcaattctgg gccccaaaag gtccactggc 240
183 gtttcttgca acacctccag atgcagccac atctcaagtc ctaggaaact gatccactgg 300
185 ctctttccat tcaactag 317
188 <210> SEQ ID NO: 8
190 <211> LENGTH: 277
192 <212> TYPE: DNA
194 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 8
199 ggggtgcgag attcttgggc ctcatcctac agcacagctt tagtaagctg ggttgacaga 60
201 gtcctggcgt cagtatatat ggaaacaata agtctgatga acatccccct cgtaagaat 120
203 ccctgagacc aactttcatt ttacagatga aaaaactgag accggtaggg gtaaaatgcc 180
205 acagtcatga tcatgccgct agtaggtggc agagtgccat ctacaattca tttgtcatct 240
207 gagcttgact ggggctcctc ttaccacttc ctctctg 277

```

## RAW SEQUENCE LISTING

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:03

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12272005\J560723.raw

```

210 <210> SEQ ID NO: 9
212 <211> LENGTH: 441
214 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 9
221 gggggcagga gatagccaga tgtggtggca caccctgta gtcccagcta ctggggaggc      60
223 tgagatagga ggatcacttg agcccaggag tttgagacta gaatgagcca tgattgtgcc      120
225 actgcactcc agcctggtga aagagtgata ccctgttttc ataagaaaaa aataacaaaa      180
227 acaaaaacaa gaaaggagag agttggctaa gctttatcac ctttgtgggt ttggaaccct      240
229 tacttgatcc ttcactaaag tacttcttgg gcatccagtg aggttcagtg tgtattgaga      300
231 ggatggtgag gatggcagcc aggcgtggga tctgtattca agaagaagct gcccactcg      360
233 ctggccatct atggatttcc agccaacaag catttccaac cacctatgga tttccaacaa      420
235 ctgagaactc atgagactgg c                                     441
238 <210> SEQ ID NO: 10
240 <211> LENGTH: 508
242 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 10
249 aggctatgag ttgaaaattg gctctccttg gacagtcctc aagcactaca tttttttcag      60
251 tgactctcac cagaccaca gatgaattta ccttctctgc gtatgccttt tgactggttc      120
253 tgttttcaggg aaccgcaagc tcaataagct ccactgttct accaagctgg acaaacagcc      180
255 acgtctctgt tctcttgcc agaccctgag gcctggagtt ctgccttcag gaattccaga      240
257 attctagaaa gttagagcta gacaagacct cagccttcac ctagtcttgc tccaaccact      300
259 gtgcggtatg ggaacaagg catgggctgg ggatgactta aggggtataa aatgttgggc      360
261 tttcttttgt caagcccagc atgtgcctcc tataggcacc agtggctctc gcaagtctcg      420
263 gcctgctggc ctgcagcca cagagagctc ggactctctc aggcagctca cttcattgct      480
265 ggaacaatag caatgttctt cctaattgc                                     508
268 <210> SEQ ID NO: 11
270 <211> LENGTH: 135
272 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 11
279 agaagcggtta tacgggggag gctggagtgg taaaaggctc agaaaaatcc tgcgaagaaa      60
281 aaaacttctg aggtaataaa taggattatc ccgtatcgaa ggcctttttg gacagggtgt      120
283 gtgtggtggc ctgcg                                     135
286 <210> SEQ ID NO: 12
288 <211> LENGTH: 248
290 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
296 <400> SEQUENCE: 12
297 gaggatgagg tggaggagga gagtgacaag gccgcgctcc tgcaggagca gcagcagcag      60
299 cagcagccgg gattctggac cttcagctac tatcagagct tctttgacgt ggacacctca      120
301 caggctctgg accggatcaa aggcctactg ctgccccggc ctggccacaa ctttgtgcgg      180
303 caccatctgc ggaatcggcc ggatctgtat ggccccctct ggatctgtgc cacgttggcc      240
305 tttgtcct                                     248
308 <210> SEQ ID NO: 13
310 <211> LENGTH: 183
312 <212> TYPE: DNA
314 <213> ORGANISM: Homo sapiens

```

## RAW SEQUENCE LISTING

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:03

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12272005\J560723.raw

```

318 <400> SEQUENCE: 13
319 cccgccgacc tggcaggac atgcttagga aaagatggtg tcaacagacc cacaacacag      60
321 aaccacactg tgggggtggg aagcagagag gcgggaccag ccacttccag caggaagttt      120
323 ccaacctgga ctgggttggg acggtgaggg gatagtcac tgcctcaggt ttacataggt      180
325 ggt      183
328 <210> SEQ ID NO: 14
330 <211> LENGTH: 124
332 <212> TYPE: DNA
334 <213> ORGANISM: Homo sapiens
338 <400> SEQUENCE: 14
339 cggcaggcat cacacaagag ggtgtcccta agatgcatca cgtccgtgga gaaaacaaag      60
341 caggacacac gtgtgagtcg tcacaccctt ggtcacccgg cttggccgct acacatgcct      120
343 ccct      124
346 <210> SEQ ID NO: 15
348 <211> LENGTH: 132
350 <212> TYPE: DNA
352 <213> ORGANISM: Homo sapiens
356 <400> SEQUENCE: 15
357 gtaggggagg gaaccagcta ctagatgggt cgattagtct ttccgcccta taccagggtc      60
359 ggacgaccga tttgcacgct aggaccgcta cggacctcca ccagagtttc ctctggcttc      120
361 gccctggggc cg      132
364 <210> SEQ ID NO: 16
366 <211> LENGTH: 124
368 <212> TYPE: DNA
370 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 16
375 cacaccttgg ggacaggcat gaggaacaga ttaatgtgag atattctaga ggtacatgca      60
377 tcaggccatg gtgaccaatt gtctgtggag ggtgaggcag aaggaattgt tgaggatgac      120
379 tgag      124
382 <210> SEQ ID NO: 17
384 <211> LENGTH: 489
386 <212> TYPE: DNA
388 <213> ORGANISM: Homo sapiens
392 <400> SEQUENCE: 17
393 gggaggcaat cattgagaga taatagctga gagtttttca gaaaggaaaa gaggtatgag      60
395 tttcaggagg aaagggcggg ccaaggacta agccaaataa ataaaataag tctataccta      120
397 gacactttgt gggaaattca cagaccatca aagataaggg aaaaacctca tgggctacag      180
399 cagaaaagag acccattcta cacaaagaac aagttcacia tatgagacag agccacgcac      240
401 agaggatgac tgctatgacc tgacgacggg gaagtgtctt gttctctggt aagccgcctc      300
403 taaagatggc caaagacatg gtttttcccta ggtttgaggt gcactacttc agggttcctg      360
405 cttacctcct gctcgttctc tgccctcat tgtgaccatg cttcactctc ccatectgtg      420
407 ctgggacaac catttttctt tccttattgc tgctactgca gagtgaggta gggctgtggc      480
409 ctgcaccg      489
412 <210> SEQ ID NO: 18
414 <211> LENGTH: 244
416 <212> TYPE: DNA
418 <213> ORGANISM: Homo sapiens
422 <400> SEQUENCE: 18
423 cgggtgggagg cggccccgca ctaaggtagg gaccagatg gaaatgggac gctctctgca      60

```

## RAW SEQUENCE LISTING

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:03

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12272005\J560723.raw

```

425 ccatgggagg caaaaataca aattccatca ccaagagggc acgccatgcg gtgttggtcc 120
427 ataaggggtga gcaaagctgc caggcccaca ggagagagag cccacaggag ccctggatcc 180
429 tgtgggactt tggatcctac acagtgagt atctcagaac tttgcaaggc tgaggcaggg 240
431 agac 244
434 <210> SEQ ID NO: 19
436 <211> LENGTH: 195
438 <212> TYPE: DNA
440 <213> ORGANISM: Homo sapiens
444 <400> SEQUENCE: 19
445 gggcgggacc agtgagagaa aggatagagc gtgtgagatg aaagggctgg tcttattaag 60
447 ccctacaata ctctggggtc caagcaatcc tgctgtggga ccctgctaag tgaacataat 120
449 gccgaggaag aacagctctc ctctttttgc caaagcctgc caaggtgtca aggcttgaga 180
451 aagagtgggtg gctta 195
454 <210> SEQ ID NO: 20
456 <211> LENGTH: 346
458 <212> TYPE: DNA
460 <213> ORGANISM: Homo sapiens
464 <400> SEQUENCE: 20
465 cgggtgcagg cattgtgata atagttggaa tgcagaggtg aattaaagag tatgggcttg 60
467 tctatataaa taaataaata tatatgtata tgggtgtgat aaccctatta tatatattat 120
469 gtattaggtg gtgttgata tatatgttta tatatgtgtg tgtttatgta taagtatata 180
471 tgtgataaga gtttataatc ctatatagag acagatgtat taaaatggat tttttttttt 240
473 tgagacagag tcttactctg tcatcaaagc tggagtgcag tggtgcaatc taggctcaca 300
475 gtgacctaca cctcccatgt tcaaacgatt ctctgcctc ggccgg 346
478 <210> SEQ ID NO: 21
480 <211> LENGTH: 168
482 <212> TYPE: DNA
484 <213> ORGANISM: Homo sapiens
488 <400> SEQUENCE: 21
489 cgctgggagg ctgtgcgtgt ttgcttttgt tgatctgttt aactgcagcc cgatttatgt 60
491 ttctggatcc tggaattgag ttgacactat cggtagtatg aaagtgacag acaccaggat 120
493 gaagtcactc ttgtcagacc cagaggaaac agggtcagga ggcctggg 168
496 <210> SEQ ID NO: 22
498 <211> LENGTH: 435
500 <212> TYPE: DNA
502 <213> ORGANISM: Homo sapiens
506 <400> SEQUENCE: 22
507 agccggcagg actgtatcat caacgcaagt ctcttgagat gccttggtga tcggtagatc 60
509 aagttatagc ctcggtttct gattttgctg tggtgatact ggatgtagca ttcaaggagt 120
511 aaatggagaa tccacaaaat aactttccca aggattataa ccgtctgaac tttcaatggg 180
513 tttgtgtaat ttctgggca cttgtcctca tttggattag gataagaaca aagcacacct 240
515 gttaaaaatg ctaaaacaac aaacacgaga tgaataaacc acagaagatt cactatgatg 300
517 actgtaggaa gaggatggaa tcggggtcta aagtgagctt gtaatgagtg gtgtgggaga 360
519 agctgggcat ccagaagtgg gtcgtcttca atactctggg tgatatccaa ggaaccgtcc 420
521 tccatcctgc cgcgg 435
524 <210> SEQ ID NO: 23
526 <211> LENGTH: 199
528 <212> TYPE: DNA
530 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/560,723

DATE: 12/27/2005  
TIME: 09:31:04

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\12272005\J560723.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:65; N Pos. 364  
Seq#:104; N Pos. 464  
Seq#:107; N Pos. 98  
Seq#:129; N Pos. 380  
Seq#:144; N Pos. 462  
Seq#:164; N Pos. 204

**VERIFICATION SUMMARY**

DATE: 12/27/2005

PATENT APPLICATION: US/10/560,723

TIME: 09:31:04

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12272005\J560723.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No  
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:360  
L:4227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:420  
L:4313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:60  
L:4843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:360  
L:5647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:420  
L:6357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:180